

Converting Colors

XYZ(34.2100, 44.8923, 36.8660)

Have a look what the booklet for
XYZ(34.2100, 44.8923, 36.8660)
contains.

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Color

**XYZ(34.2723, 44.9857,
37.0138)**

Conversions

Conversions Part 1

Format	Color
Hex	85C099
RGB	133, 192, 153
RGB Percent	52%, 75%, 60%
CMY	0.4784, 0.2470, 0.4000
CMYK	0.31, 0.00, 0.20, 0.25
HSL	140°, 32%, 64%
HSV	140°, 31%, 75%
XYZ	34.2723, 44.9857, 37.0138
YIQ	169.9130, -22.6450, -24.6370

Conversions

Conversions Part 2

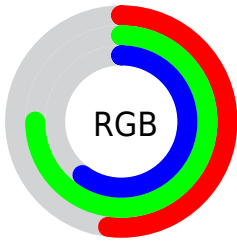
Format	Color
RYB	133, 177, 192
Decimal	8765593
CIELab	72.88, -27.23, 13.66
CIELCh	73, 30.468, 153.357
Yxy	44.9857, 0.2948, 0.3869
Android (android.graphics.Color)	4286955673 (0xFF85C099)
YUV	169.9130, -8.3381, -32.3727
Hunter-Lab	67.0714, -26.1645, 14.2304

Details

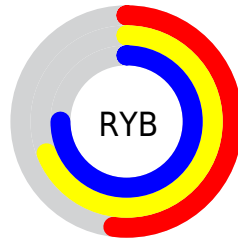
The XYZ color **34.2723, 44.9857, 37.0138** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.5737, 30.9612, 43.0274**, and the grayscale version is **38.2144, 40.2046, 43.7828**.

A 20% lighter version of the original color is **65.6317, 82.8212, 71.5584**, and **14.8801, 20.8856, 15.8174** is the 20% darker color. If you saturate the color by 10%, you get **30.5206, 43.1676, 31.6544**, and if you desaturate by 10%, it is **38.6921, 47.1378, 42.9885**.

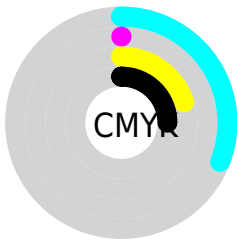
Distribution



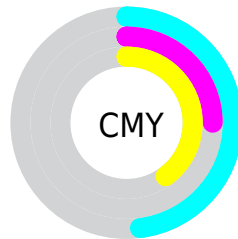
- Red (52%)
- Green (75%)
- Blue (60%)



- Red (52%)
- Yellow (69%)
- Blue (75%)



- Cyan (31%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)



- Cyan (48%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2723, 44.9857, 37.0138 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 34.2723, 44.9857, 37.0138 by changing the saturation by 10% instead.

■ 34.2723, 44.9857,
37.0138

■ 34.2723, 44.9857,
37.0138

312.9091,
366.7156, 348.5408

■ 23.2667, 31.4462,
24.9223

■ 65.6984, 82.6990,
71.7806

■ 14.9124, 20.9388,
15.8007

■ 86.8496, 107.6415,
95.2929

■ 8.8438, 13.0793,
9.2304

■ 112.1134,
137.1537, 123.4493

■ 4.6957, 7.4832,
4.7929

141.8552,
171.6202, 156.6683

■ 2.1028, 3.7661,
2.0697

176.4403,
211.4252, 195.3684

■ 0.6907, 1.5436,
0.5976

216.2341,

■ 0.0000, 0.3191,

256.9532, 239.9681

0.0000

261.6019,
308.5885, 290.8861

■ 0.0000, 0.0000,
0.0000

■ 34.2723, 44.9857,
37.0138

■ 34.2723, 44.9857,
37.0138

■ 30.5206, 43.1676,
31.6544

■ 38.6921, 47.1378,
42.9885

■ 27.3996, 41.6610,
26.8877

■ 43.8075, 49.6340,
49.5942

■ 24.8738, 40.4491,
22.6937


■ 49.6491, 52.4909,
56.8500


■ 22.9024, 39.5114,
19.0506


■ 56.2443, 55.7223,
64.7731


■ 21.4394, 38.8246,
15.9348


■ 63.6192, 59.3413,
73.3801


 20.4304, 38.3613,
13.3211

 71.7986, 63.3604,
82.6869

 19.8070, 38.0835,
11.3207

 76.0943, 65.3625,
92.4885

 78.0661, 66.1512,
102.8719

 78.1405, 66.1809,
103.2635

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.3901, 44.9857, 28.4072



34.2723, 44.9857, 37.0138



33.3609, 44.9857, 50.7124

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.2723, 44.9857, 37.0138



43.3576, 44.9857, 84.3190



51.8569, 44.9857, 34.6098

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



34.2723, 44.9857, 37.0138



37.5737, 30.9612, 43.0274

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.7712, 44.9857, 47.2910



34.2723, 44.9857, 37.0138



48.6156, 44.9857, 77.6614

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.2723, 44.9857, 37.0138



38.3441, 44.9857, 80.0106



52.5391, 44.9857, 63.2859



47.4973, 44.9857, 27.2341

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.2723, 44.9857, 37.0138



34.0594, 44.9857, 61.5014



52.5391, 44.9857, 63.2859



52.8233, 44.9857, 38.2881

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



34.2735, 44.9876, 37.0148



80.9624, 90.7066, 91.8631



40.1714, 48.2032, 29.3778



17.0532, 19.3052, 19.3092



92.9021, 97.7402, 106.4391



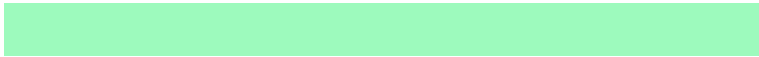
19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.2735, 44.9876, 37.0148



57.3060, 79.1858, 60.2827



36.9847, 46.0720, 51.2917



10.0822, 11.3139, 11.4360



13.3604, 25.6382, 7.7909



0.6098, 1.1208, 0.5080

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37.5737, 30.9612, 43.0274



64.2476, 49.6588, 72.9118



35.0724, 29.9607, 29.8557



10.3475, 10.1876, 11.9204



17.2391, 8.5854, 14.4372



0.7760, 0.3834, 0.7878

Previews

White Background



This preview shows how the XYZ color 34.2723, 44.9857, 37.0138 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.2723, 44.9857, 37.0138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2723, 44.9857, 37.0138

Background



This preview shows how black text looks on a background with the XYZ color 34.2723, 44.9857, 37.0138.

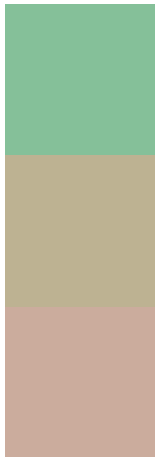


This preview shows how white text looks on a background with the XYZ color 34.2723, 44.9857,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

34.2723, 44.9857, 37.0138

Protanopia

42.0950, 44.7349, 33.6102

Deuteranopia

45.4669, 44.6359, 38.1175



Tritanopia

39.1396, 45.0387, 61.2741

Trichromacy



Original Color

34.2723, 44.9857, 37.0138

Protanomaly

38.7205, 44.4719, 34.9769

Deuteranomaly

40.4809, 44.1055, 37.8321

Tritanomaly

37.1779, 44.8743, 51.5019

Monochromacy



Original Color

34.2723, 44.9857, 37.0138

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.5259, 41.6892, 41.2437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2723, 44.9857, 37.0138 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(133, 192, 153)` looks like.

```
.text, #text, p{  
    color:rgb(133, 192, 153)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(133, 192, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 192, 153) }
```

Border

The CSS property to change the border of an element to XYZ 34.2723, 44.9857, 37.0138 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 192, 153) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(133, 192, 153) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(133, 192, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 192, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 192, 153);  
box-shadow:4px 4px 4px 4px rgb(133, 192,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2723, 44.9857, 37.0138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 192, 153) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(133,  
192, 153) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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